

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Cancelled)
2. (Currently Amended) The solid bowl screw centrifuge according to Claim 19, wherein the ~~throttling device~~throttle disk is adjustable during an operation as the drum is rotating.
3. (Currently Amended) The solid bowl screw centrifuge according to Claim 19, wherein the ~~throttling device~~throttle disk permits a continuous adjusting of a pool depth.
4. (Currently Amended) The solid bowl screw centrifuge according to Claim 19, wherein a baffle plate is arranged on the screw.
5. (Currently Amended) The solid bowl screw centrifuge according to Claim 19, wherein the ~~throttling device~~throttle disk is constructed as an element which is stationary during an operation.
6. (Currently Amended) The solid bowl screw centrifuge according to Claim 19, wherein the ~~throttling device~~throttle disk is constructed as an element which rotates during an operation with the drum.
- 7-8 (Cancelled)
9. (Currently Amended) ~~The solid bowl screw centrifuge according to Claim 8,~~  
A solid bowl screw centrifuge comprising:
  - a drum having a solids discharge at a conical end and at least one discharge opening at an end opposite the conical end, the at least one discharge opening arranged with an axial drum lid;
  - a screw rotatable at a different speed relative to the drum;
  - a centripetal chamber section connected behind the drum lid with the at least one discharge opening;

a centripetal pump arranged to discharge a liquid phase from the solid bowl screw centrifuge;

an adjustable throttling device connected in front of the centripetal pump in the centripetal chamber section, the adjustable throttling device being assigned to the at least one discharge opening;

wherein the throttling device is constructed as a throttle disk arranged in the centripetal chamber section, connected behind the at least one discharge opening and connected in front of the centripetal pump; and

wherein the throttle disk has an is axially adjacent the centripetal pump and is axially movable construction in the centripetal chamber to cooperate with a surface of the centripetal chamber to adjust an amount of flow out of the discharge opening.

10. (Currently Amended) The solid bowl screw centrifuge according to Claim 89, wherein the throttle disk has a swivellable construction.

11. (Currently Amended) ~~The solid bowl screw centrifuge according to Claim 8;~~  
A solid bowl screw centrifuge comprising:

a drum having a solids discharge at a conical end and at least one discharge opening at an end opposite the conical end, the at least one discharge opening arranged with an axial drum lid;

a screw rotatable at a different speed relative to the drum;

a centripetal chamber section connected behind the drum lid with the at least one discharge opening;

a centripetal pump arranged to discharge a liquid phase from the solid bowl screw centrifuge;

an adjustable throttling device connected in front of the centripetal pump in the centripetal chamber section, the adjustable throttling device being assigned to the at least one discharge opening;

wherein the throttling device is constructed as a throttle disk arranged in the centripetal chamber section, connected behind the at least one discharge opening and connected in front of the centripetal pump; and

wherein the throttle disk is movable by at least one connecting rod which is penetrated by a stationary feeding pipe which is non-rotatable during the operation.

12. (Currently Amended) ~~The solid bowl screw centrifuge according to Claim 8,~~  
A solid bowl screw centrifuge comprising:

a drum having a solids discharge at a conical end and at least one discharge opening at an end opposite the conical end, the at least one discharge opening arranged with an axial drum lid;

a screw rotatable at a different speed relative to the drum;

a centripetal chamber section connected behind the drum lid with the at least one discharge opening;

a centripetal pump arranged to discharge a liquid phase from the solid bowl screw centrifuge;

an adjustable throttling device connected in front of the centripetal pump in the centripetal chamber section, the adjustable throttling device being assigned to the at least one discharge opening;

wherein the throttling device is constructed as a throttle disk arranged in the centripetal chamber section, connected behind the at least one discharge opening and connected in front of the centripetal pump; and

wherein the throttle disk is displaceably guided on a feeding pipe.

13. (Currently Amended) The solid bowl screw centrifuge according to Claim 12, wherein the throttle disk is movable between the centripetal pump and the at least one discharge opening.

14. (Currently Amended) ~~The solid bowl screw centrifuge according to Claim 8,~~  
A solid bowl screw centrifuge comprising:

a drum having a solids discharge at a conical end and at least one discharge opening at an end opposite the conical end, the at least one discharge opening arranged with an axial drum lid;

a screw rotatable at a different speed relative to the drum;

a centripetal chamber section connected behind the drum lid with the at least one discharge opening;

a centripetal pump arranged to discharge a liquid phase from the solid bowl screw centrifuge;

an adjustable throttling device connected in front of the centripetal pump in the centripetal chamber section, the adjustable throttling device being assigned to the at least one discharge opening;

wherein the throttling device is constructed as a throttle disk arranged in the centripetal chamber section, connected behind the at least one discharge opening and connected in front of the centripetal pump; and

wherein the throttle disk is displaceably guided on the centripetal pump.

15. (New) The solid bowl screw centrifuge of Claim 9, wherein the surface of the centripetal chamber is a ring disk located in front of the throttle disk.